

chain nodes :

12 13

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

2-12 11-12 12-13

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5 12-13

exact bonds :

2-12 11-12

normalized bonds :

6-7 6-11 7-8 8-9 9-10 10-11

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:CLASS 13:CLASS

10/073,326

=> d his

(FILE 'HOME' ENTERED AT 13:59:58 ON 14 JUN 2004)

FILE 'REGISTRY' ENTERED AT 14:00:06 ON 14 JUN 2004

L1 STRUCTURE UPLOADED
L2 QUE L1
L3 7 S L2
L4 191 S L2 SSS FULL

FILE 'CAPLUS' ENTERED AT 14:00:27 ON 14 JUN 2004

L5 30 S L4

FILE 'CAOLD' ENTERED AT 14:00:32 ON 14 JUN 2004

L6 3 S L4

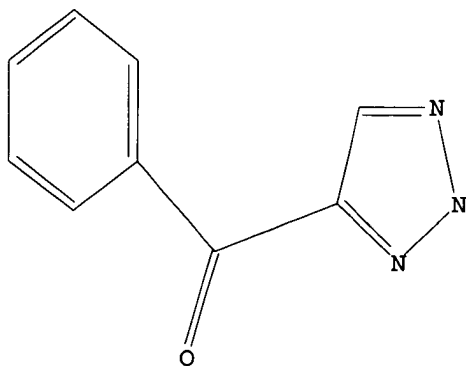
FILE 'CAPLUS' ENTERED AT 14:02:45 ON 14 JUN 2004

L7 7 S L5 AND PATENT/DT
L8 23 S L5 NOT L7
L9 0 S L8 AND 2004/SO
L10 0 S L8 AND 2003/SO
L11 2 S L8 AND 2002/SO
L12 0 S L8 AND 2001/SO
L13 1 S L8 AND 2000/SO
L14 3 S L8 AND 1999/SO
L15 24 S L5 NOT (L11 OR L13 OR L14)

=> d 12

L2 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2 QUE ABB=ON PLU=ON L1

=> d ibib abs hitstr 1-24

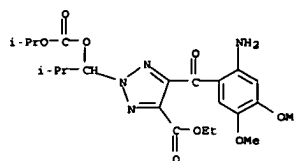
10/073,326

L15 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:532666 CAPLUS
 DOCUMENT NUMBER: 139:95490
 TITLE: Crystalline tricyclic triazolobenzazepine derivative
 INVENTOR(S): Kitahara, Shin-Ichi; Furukawa, Hanae; Yamaguchi, Toohiro; Miyamoto, Sachiko; Okada, Yumiko
 PATENT ASSIGNEE(S): Meiji Seika Kaisha, Ltd., Japan
 SOURCE: PCT Int. Appl., 17 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003055885	A1	20030710	WO 2002-JP13557	20021225
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CP, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPL. INFO.: JP 2001-393016 A 20011226
 AB Crystalline
 2-(1-isopropoxycarbonyloxy-2-methylpropyl)-7,8-dimethoxy-4(5-H)-10-dioxo-2H-1,2,3-triazolo[4,5-c][1]benzazepine (I) (X ray crystallog. data given) is claimed. I is an antiallergic agent.
 IT 222634-16-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of crystalline tricyclic triazolobenzazepine derivative as antiallergic agent)
 RN 222634-16-4 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid,
 5-(2-amino-4,5-dimethoxybenzoyl)-2-[2-methyl-1-[[[(1-methylethoxy)carbonyloxy]propyl]-, ethyl ester (9CI) (CA INDEX NAME)

L15 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



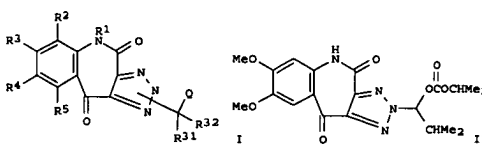
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:233920 CAPLUS
 DOCUMENT NUMBER: 130:282073
 TITLE: Preparation of tricyclic triazolobenzazepine derivatives as prodrugs for antiallergic agents
 INVENTOR(S): Ohtsuka, Yasuo; Nishizuka, Toshio; Shiohara, Sojiro; Tsubota, Seiji; Kawaguchi, Mami; Kitagawa, Hideo; Takata, Hiromi; Shiohara, Kenichi; Okada, Yumiko; Miyamoto, Sachiko; Shiohara, Maki
 PATENT ASSIGNEE(S): Meiji Seika Kaisha, Ltd., Japan
 SOURCE: PCT Int. Appl., 143 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9916770	A1	19990408	WO 1998-JP4363	19980929
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GR, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, BG, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CP, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG CA 2305307 AA 19990408 CA 1998-2305307 19980929 AU 9891869 A1 19990423 AU 1998-91869 19980929 AU 744636 B2 20020228 EP 1026167 A1 20000809 EP 1998-944289 19980929 EP 1026167 B1 20030305 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI TR 20000808 T2 20000821 TR 2000-20000808 19980929 BR 9814055 A 20000926 BR 1998-14055 19980929 JP 3188482 B2 20010716 JP 1999-519969 19980929 TW 510902 B 20021121 TW 1998-87116198 19980929 RU 2198885 C2 20030220 RU 2000-111517 19980929 AT 233764 E 20030315 AT 1998-944289 19980929 PT 1026167 T 20030711 PT 1998-944289 19980929 ES 2191963 T3 20030916 ES 1998-944289 19980929 SK 283869 B6 20040302 SK 2000-425 19980929 NO 2000001500 A 20000518 NO 2000-1500 20000323 MX 200003047 A 20001110 MX 2000-3047 20000328 US 6372735 B1 20020416 US 2000-509494 20000329 US 2002137739 A1 20020926 US 2002-73326 20020213 JP 1997-264611 A 19970929 JP 1998-52063 A 19980304 WO 1998-JP4363 W 19980929 US 2000-509494 A3 20000329				

OTHER SOURCE(S): MARPAT 130:282073
 GI

L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



AB Tricyclic triazolobenzazepine derivate, represented by general formula (I); R1 represents hydrogen, OH, alkyl, or phenylalkyl; R2, R3, R4, and R5 each represents hydrogen, halogeno, optionally protected hydroxyl, formyl, optionally substituted alkyl, alkenyl, alkoxy, etc.; Q represents a group selected among groups of OCO2R33, O2CR34, O2CNR35R36, OP(O)(OR37)OR38, halogeno, or alkoxy; R33 and R34 each represent (un)substituted alkyl, Ph, or (un)saturated 5- to 7-membered ring heterocyclyl, etc.; and R35 and R36 each represent hydrogen or (un)substituted alkyl or NR35R36 forms a (un)saturated 5- to 7-membered ring heterocyclyl in the form of a prodrug, and pharmacol. acceptable salts and solvates thereof are prepared. These compds. have excellent bioavailability. Thus, 1.07 g Et 5-(4,5-dimethoxy-2-nitrobenzoyl)-1H-1,2,3-triazole-4-carboxylate (preparation given) and 53 mg p-MeC6H4SO3H.H2O were suspended in CH2Cl2 and stirred with 330 mg isobutyraldehyde at room temperature for 25 min, followed by adding 744 mg 1,1'-carbonyldiimidazole in 5.0 mL CH2Cl2, and the resulting mixture was stirred at room temperature for 3 h and then refluxed with 920 mg iso-Pr alc. to give 34% Et 2-(1-isopropoxycarbonyloxy-2-methylpropyl)-5-(4,5-dimethoxy-2-nitrobenzoyl)-1H-1,2,3-triazole-4-carboxylate. The latter compound was hydrogenated over Pd(OH)2 in EtOAc at room temperature for 15 h to give 99% Et 5-(2-amino-4,5-dimethoxybenzoyl)-2-(1-isopropoxycarbonyloxy-2-methylpropyl)-1H-1,2,3-triazole-4-carboxylate which was heated in AcOH at 100° for 2 h with stirring to give the title compound (II) in 62% yield. When II in 0.5% aqueous methylcellulose was administered p.o. to dogs or rats, the area under the concentration time curve (AUC) value was 1.2±0.3 µmol. h/L for dogs and 1.4±0.1 µmol. h/L for rats, which was 4-times higher in dog and 7-times higher in rats compared to that of its active form. A tablet and a fine powder formulation containing II were described.

IT 222633-77-4P 222633-78-5P 222633-79-6P
 222633-80-7P 222633-81-0P 222633-82-1P
 222633-83-2P 222633-84-3P 222633-85-4P
 222633-86-5P 222633-87-6P 222633-88-7P
 222633-89-8P 222633-90-1P 222633-91-2P

L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

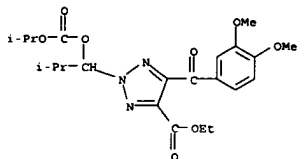
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 222634-40-4P 222634-41-5P 222634-42-6P
 222634-43-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. of tricyclic triazolobenzazepine derivs. as prodrugs for antiallergic agents)

RN 222633-77-4 CAPLUS

CN 2H-1,2,3-Triazole-4-carboxylic acid,
 5-(3,4-dimethoxybenzoyl)-2-[2-methyl-

1-[[[(1-methylethoxy)carbonyl]oxy]propyl]-, ethyl ester (9CI) (CA INDEX NAME)

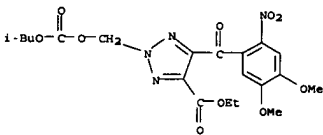


RN 222633-78-5 CAPLUS

CN 2H-1,2,3-Triazole-4-carboxylic acid,

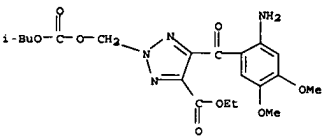
5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[2-methyl-1-[[[(1-methylethoxy)carbonyl]oxy]propyl]-, ethyl ester (9CI) (CA INDEX NAME)

L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



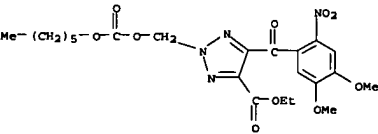
RN 222633-82-1 CAPLUS

CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(2-methylpropoxy)carbonyl]oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 222633-83-2 CAPLUS

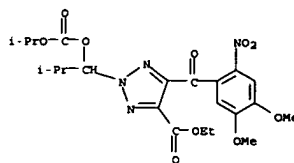
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[[[(hexyloxy)carbonyl]oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 222633-84-3 CAPLUS

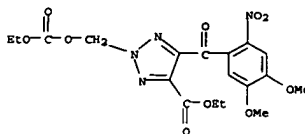
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(hexyloxy)carbonyl]oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



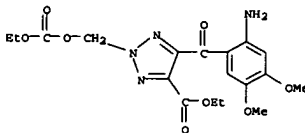
RN 222633-79-6 CAPLUS

CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[[[(ethoxycarbonyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 222633-80-9 CAPLUS

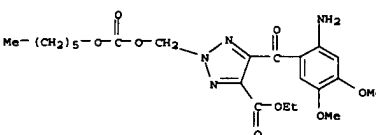
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(ethoxycarbonyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 222633-81-0 CAPLUS

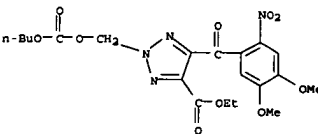
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[[[(2-methylpropoxy)carbonyl]oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



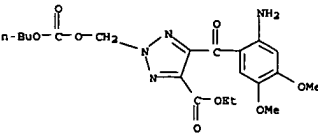
RN 222633-85-4 CAPLUS

CN 2H-1,2,3-Triazole-4-carboxylic acid, 2-[[[(butoxycarbonyl)oxy]methyl]-5-(4,5-dimethoxy-2-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 222633-86-5 CAPLUS

CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(butoxycarbonyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

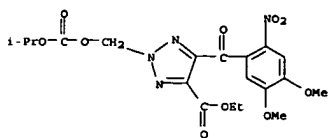


RN 222633-87-6 CAPLUS

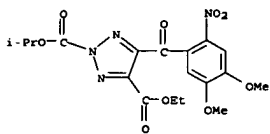
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[[[(1-methylethoxy)carbonyl]oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

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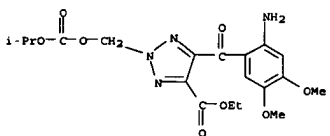
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222633-88-7 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[[[(1-methylethoxy)carbonyl]oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

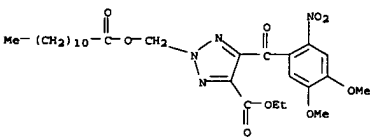


RN 222633-89-8 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(1-methylethoxy)carbonyl]oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

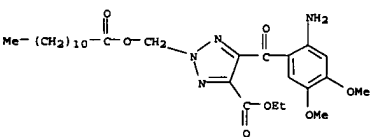


RN 222633-90-1 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(1-oxododecyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

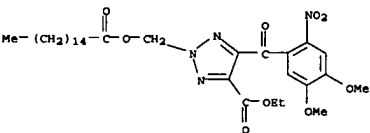
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222633-95-6 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(1-oxohexadecyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

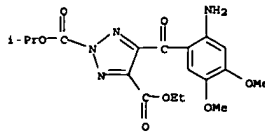


RN 222633-96-7 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(1-oxohexadecyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

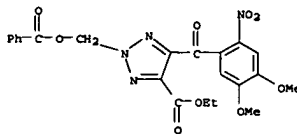


RN 222633-97-8 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(1-oxohexadecyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

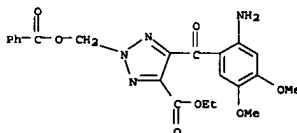
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222633-91-2 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 2-[(benzoyloxy)methyl]-5-(4,5-dimethoxy-2-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

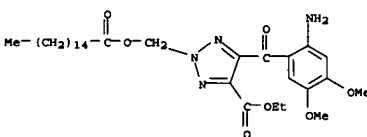


RN 222633-92-3 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[(benzoyloxy)methyl]-, ethyl ester (9CI) (CA INDEX NAME)

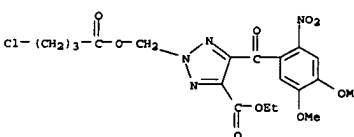


RN 222633-94-5 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(1-oxododecyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

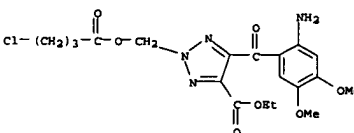
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222633-98-9 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 2-[(4-chloro-1-oxobutoxy)methyl]-5-(4,5-dimethoxy-2-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)



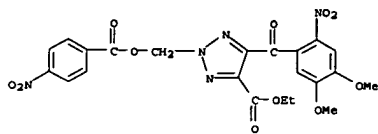
RN 222633-99-0 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(1-oxododecyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



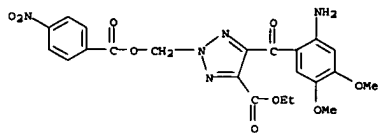
RN 222634-00-6 CAPLUS
 CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[[[(1-oxododecyl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

10/073,326

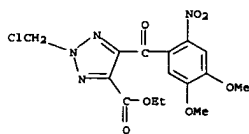
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-01-7 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-(((4-nitrobenzoyl)oxy)methyl)-, ethyl ester (9CI) (CA INDEX NAME)

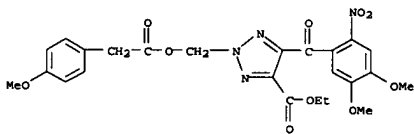


RN 222634-02-8 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 2-(chloromethyl)-5-(4,5-dimethoxy-2-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

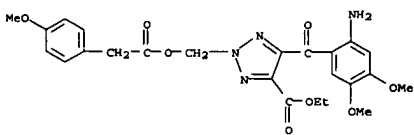


RN 222634-03-9 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-(chloromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

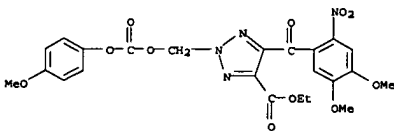
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-07-3 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-(((4-methoxyphenyl)acetyl)oxy)methyl)-, ethyl ester (9CI) (CA INDEX NAME)

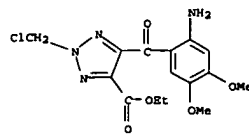


RN 222634-08-4 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-(((4-methoxyphenoxy)carbonyl)oxy)methyl)-, ethyl ester (9CI) (CA INDEX NAME)

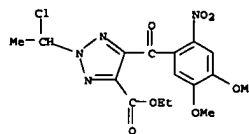


RN 222634-09-5 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-(((2-(dimethylamino)ethyl)amino)carbonyl)oxy)methyl)-, ethyl ester (9CI) (CA INDEX NAME)

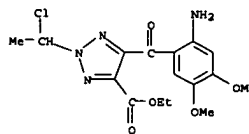
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-04-0 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 2-(1-chloroethyl)-5-(4,5-dimethoxy-2-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

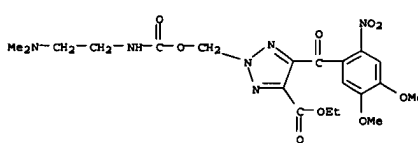


RN 222634-05-1 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-(1-chloroethyl)-, ethyl ester (9CI) (CA INDEX NAME)

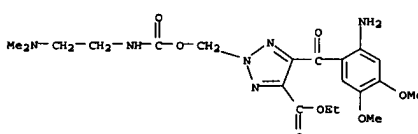


RN 222634-06-2 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-(((4-methoxyphenyl)acetyl)oxy)methyl)-, ethyl ester (9CI) (CA INDEX NAME)

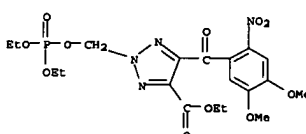
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-10-8 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-(((2-(dimethylamino)ethyl)amino)carbonyl)oxy)methyl)-, ethyl ester (9CI) (CA INDEX NAME)

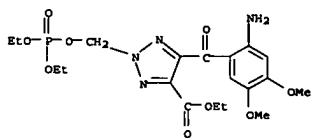


RN 222634-11-9 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 2-(((diethoxyphosphinyl)oxy)methyl)-5-(4,5-dimethoxy-2-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

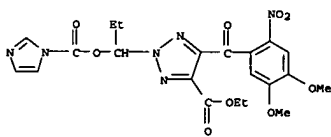


RN 222634-12-0 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-(((diethoxyphosphinyl)oxy)methyl)-, ethyl ester (9CI) (CA INDEX NAME)

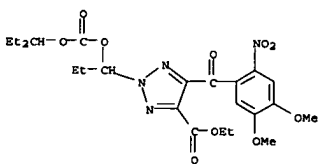
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-13-1 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[(1H-imidazol-1-ylcarbonyl)oxy]propyl-, ethyl ester (9CI) (CA INDEX NAME)

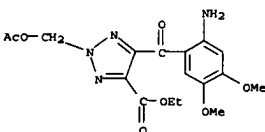


RN 222634-14-2 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(2-amino-4,5-dimethoxybenzoyl)-2-[(1-ethylpropoxy)carbonyl]oxy]propyl-, ethyl ester (9CI) (CA INDEX NAME)

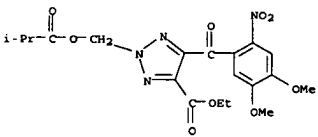


RN 222634-15-3 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(2-amino-4,5-dimethoxybenzoyl)-2-[(1-ethylpropoxy)carbonyl]oxy]propyl-, ethyl ester (9CI) (CA INDEX NAME)

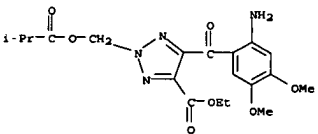
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-19-7 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[(2-methyl-1-oxopropoxy)methyl]-, ethyl ester (9CI) (CA INDEX NAME)

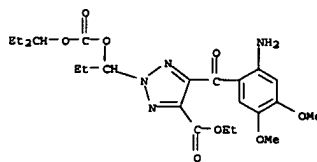


RN 222634-20-0 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[(2-methyl-1-oxopropoxy)methyl]-, ethyl ester (9CI) (CA INDEX NAME)

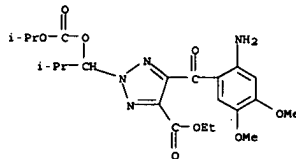


RN 222634-21-1 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[(1-oxobutoxy)methyl]-, ethyl ester (9CI) (CA INDEX NAME)

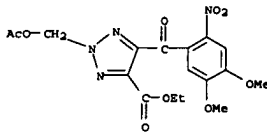
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-16-4 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(2-amino-4,5-dimethoxybenzoyl)-2-[(2-methyl-1-[(1-methylethoxy)carbonyl]oxy]propyl)-, ethyl ester (9CI) (CA INDEX NAME)

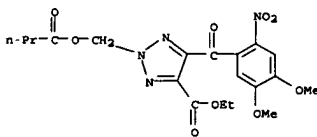


RN 222634-17-5 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 2-[(acetyloxy)methyl]-5-(4,5-dimethoxy-2-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

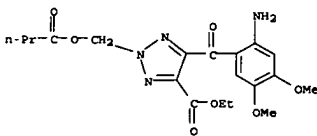


RN 222634-18-6 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
2-[(acetyloxy)methyl]-5-(2-amino-4,5-

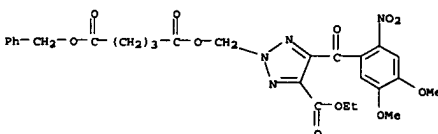
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-22-2 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[(1-oxobutoxy)methyl]-, ethyl ester (9CI) (CA INDEX NAME)



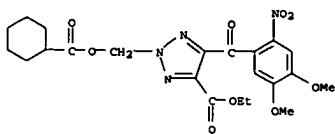
RN 222634-23-3 CAPLUS
CN Pentanedioic acid,
[4-(4,5-dimethoxy-2-nitrobenzoyl)-5-(ethoxycarbonyl)-2H-1,2,3-triazol-2-yl]methyl phenylmethyl ester (9CI) (CA INDEX NAME)



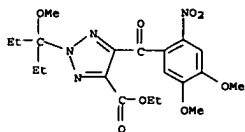
RN 222634-24-4 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
2-[[[(cyclohexylcarbonyl)oxy]methyl]-5-(4,5-dimethoxy-2-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

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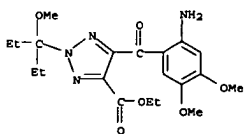
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-25-5 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(4,5-dimethoxy-2-nitrobenzoyl)-2-(1-ethyl-1-methoxypropyl)-, ethyl ester (9CI) (CA INDEX NAME)

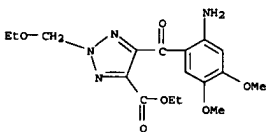


RN 222634-26-6 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(2-amino-4,5-dimethoxybenzoyl)-2-(1-ethyl-1-methoxypropyl)-, ethyl ester (9CI) (CA INDEX NAME)

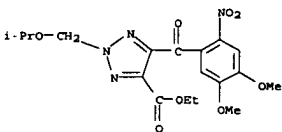


RN 222634-28-8 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(4,5-dimethoxy-2-nitrobenzoyl)-2-(1-ethoxy-1-propylbutyl)-, ethyl ester (9CI) (CA INDEX NAME)

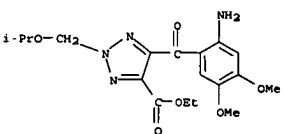
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-32-4 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[(1-methylethoxy)methyl]-, ethyl ester (9CI) (CA INDEX NAME)

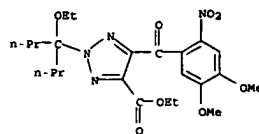


RN 222634-33-5 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-[(1-methylethoxy)methyl]-, ethyl ester (9CI) (CA INDEX NAME)

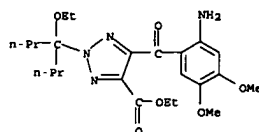


RN 222634-34-6 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[[1-[(1H-imidazol-1-yl)carbonyl]oxy]-2-methylpropyl]-, ethyl ester (9CI) (CA INDEX NAME)

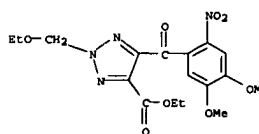
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-29-9 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(2-amino-4,5-dimethoxybenzoyl)-2-(1-ethoxy-1-propylbutyl)-, ethyl ester (9CI) (CA INDEX NAME)

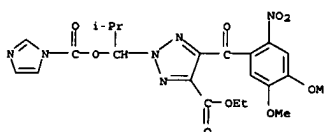


RN 222634-30-2 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(4,5-dimethoxy-2-nitrobenzoyl)-2-(ethoxymethyl)-, ethyl ester (9CI) (CA INDEX NAME)

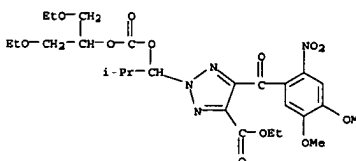


RN 222634-31-3 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-(2-amino-4,5-dimethoxybenzoyl)-2-(ethoxymethyl)-, ethyl ester (9CI) (CA INDEX NAME)

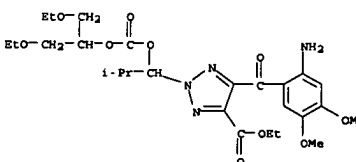
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-35-7 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[[2-ethoxy-1-(ethoxymethyl)ethoxy]carbonyl]oxy]-2-methylpropyl]-, ethyl ester (9CI) (CA INDEX NAME)



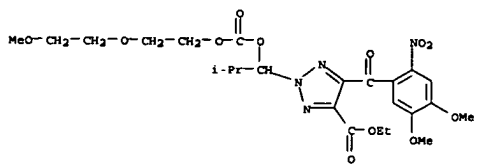
RN 222634-36-8 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(2-amino-4,5-dimethoxybenzoyl)-2-[[2-ethoxy-1-(ethoxymethyl)ethoxy]carbonyl]oxy]-2-methylpropyl]-, ethyl ester (9CI) (CA INDEX NAME)



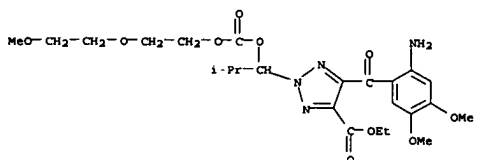
RN 222634-37-9 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid,
5-(4,5-dimethoxy-2-nitrobenzoyl)-2-[[1-methylethyl]-3-oxo-2,4,7,10-tetraoxaundec-1-yl]-, ethyl ester (9CI) (CA INDEX NAME)

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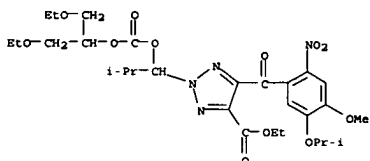
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 222634-38-0 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 2-[1-[[[2-ethoxy-1-(ethoxymethyl)ethoxy]carbonyl]oxy]-2-methylpropyl]-5-[4-methoxy-5-(1-methylethoxy)-2-nitrobenzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 222634-40-4 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 2-[1-[[[2-ethoxy-1-(ethoxymethyl)ethoxy]carbonyl]oxy]-2-methylpropyl]-5-[4-methoxy-5-(1-methylethoxy)-2-nitrobenzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



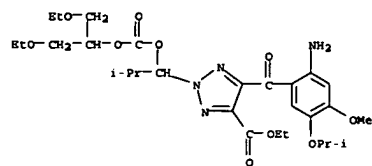
RN 222634-41-5 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-[2-amino-4-methoxy-5-(1-methylethoxy)benzoyl]-2-[1-[[[2-ethoxy-1-(ethoxymethyl)ethoxy]carbonyl]oxy]-2-methylpropyl]-, ethyl ester (9CI) (CA INDEX NAME)

L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

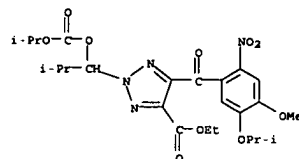
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FORMAT

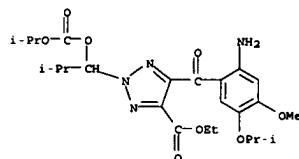
L15 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
1-2-methylpropyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 222634-42-6 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-[4-methoxy-5-(1-methylethoxy)-2-nitrobenzoyl]-2-[2-methyl-1-[[[1-methylethoxy]carbonyl]oxy]propyl]-, ethyl ester (9CI) (CA INDEX NAME)



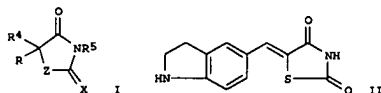
RN 222634-43-7 CAPLUS
CN 2H-1,2,3-Triazole-4-carboxylic acid, 5-[2-amino-4-methoxy-5-(1-methylethoxy)benzoyl]-2-[2-methyl-1-[[[1-methylethoxy]carbonyl]oxy]propyl]-, ethyl ester (9CI) (CA INDEX NAME)



L15 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1996:623181 CAPLUS
DOCUMENT NUMBER: 125:275859
TITLE: Preparation of indolylthiazolidinediones and analogs as antidiabetics
INVENTOR(S): Ohara, Yoshio; Suzuki, Mikio; Ohdoi, Keisuke; Nobuhide; Kato, Katsuhiko; Kobayashi, Tetsuya; Shikada, Ken-ichi; Kitahara, Masaki; Naito, Takeshi; et al.
PATENT ASSIGNEE(S): Nissen Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 280 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

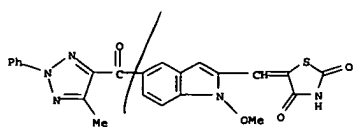
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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W: AU, CA, CN, CZ, FI, HU, KR, LT, LV, MX, NO, NZ, RO, RU, SI, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9647311	A1	19960911	AU 1996-47311	19960222
JP 09235284	A2	19970909	JP 1996-34492	19960222
ZA 9601478	A	19960828	ZA 1996-1478	19960222
PRIORITY APPLN. INFO.: JP 1995-34963 19950223				
JP 1995-336391 19951225				
WO 1996-JP403 19960222				
OTHER SOURCE(S): MARPAT 125:275859				
GI				



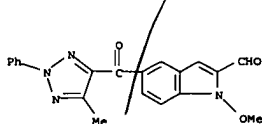
AB Title compds. [I; R = R1CR6R7; R1 = (un)substituted indolyl; R4 = H or alkyl; R5 = H or CH2CO2H; R6,R7 = H, (cyclo)alkyl; R4R7 = bond; X = O, S, NH; Z = O or S] were prepared as hypoglycemics and aldose reductase inhibitors. Thus, 5-formylindole (preparation given) was condensed with thiazolidine-2,4-dione to give title compound II. Data for in vivo biol. activity of I were given.
IT 182186-82-9P
RI: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of indolylthiazolidinediones and analogs as antidiabetics)
RN 182186-82-9 CAPLUS
CN 2,4-Thiazolidinedione, 5-[[1-methoxy-5-[(5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)carbonyl]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)

10/073,326

L15 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

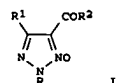


IT 182187-51-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of indolylthiazolidinediones and analogs as antidiabetics)
 RN 182187-51-5 CAPLUS
 CN 1H-Indole-2-carboxaldehyde, 1-methoxy-5-[(5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)carbonyl]- (9CI) (CA INDEX NAME)

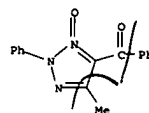


L15 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1996:499151 CAPLUS
 125:221730
 DOCUMENT NUMBER:
 TITLE:
 The synthesis of 5-acyl-4-aryl(alkyl)-2-aryl-1,2,3-triazole 1-oxides by lead tetraacetate oxidation of mono- and bisarylhydrazones of α -(hydroxyimino) β -diketones
 AUTHOR(S): Hadjiantoniou-Maroulia, Constantina P.; Ikononou, Vassiliki; Parisopoulou, Evi
 CORPORATE SOURCE: Dep. Chem., Aristotle Univ. Thessaloniki, Thessaloniki,
 SOURCE: GR-540 06, Greece
 Journal of Heterocyclic Chemistry (1996), 33(3), 655-658
 CODEN: JHTCAD; ISSN: 0022-152X
 PUBLISHER: HeteroCorporation
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI

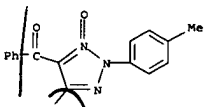


AB Triazole oxides I [R = (un)substituted phenyl; R1, R2 = Me, Ph; R1R2 = CH2CMe2CH2] were prepared by reaction of RNNH2 with R1COC(=NOH)COR2 to give the mono- or bisarylhydrazone and subsequent oxidation of the hydrazones by Pb(OAc)4.
 IT 181516-71-2P 181516-72-3P 181516-73-4P
 181516-74-5P 181516-75-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 181516-71-2 CAPLUS
 CN Methanone, (5-methyl-3-oxido-2-phenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)

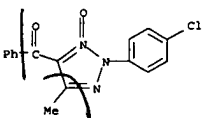


RN 181516-72-3 CAPLUS

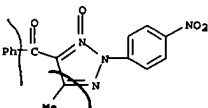
L15 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 CN Methanone, [5-methyl-2-(4-methylphenyl)-3-oxido-2H-1,2,3-triazol-4-yl]phenyl- (9CI) (CA INDEX NAME)



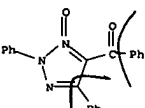
RN 181516-73-4 CAPLUS
 CN Methanone, [2-(4-chlorophenyl)-5-methyl-3-oxido-2H-1,2,3-triazol-4-yl]phenyl- (9CI) (CA INDEX NAME)



RN 181516-74-5 CAPLUS
 CN Methanone, [5-methyl-2-(4-nitrophenyl)-3-oxido-2H-1,2,3-triazol-4-yl]phenyl- (9CI) (CA INDEX NAME)



RN 181516-75-6 CAPLUS
 CN Methanone, (3-oxido-2,5-diphenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)



10/073,326

15 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1995:993516 CAPLUS

DOCUMENT NUMBER: 124:175965

TITLE: Study of the reactivity of nitriles towards diazomethane: synthesis and structural study of N-methyl-v-triazoles

AUTHOR(S): Danoun, Saïda; Baziard-Mouyasset, Genevieve; Stigliani,

Jean-Luc; Commenges, Gerard; Carpy, Alain; Payard, Marc

CORPORATE SOURCE: Laboratoire de chimie pharmaceutique, Faculte de pharmacie, Toulouse, 31062, Fr.

SOURCE: Bulletin de la Societe Chimique de France (1995), 132(9), 943-51

CODEN: BSCPAS; ISSN: 0037-8968

PUBLISHER: Elsevier

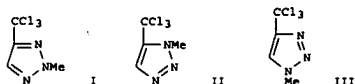
DOCUMENT TYPE: Journal

LANGUAGE: French

OTHER SOURCE(S): CASREACT 124:175965

GI

L15 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



AB The effect of diazomethane on 12 nitriles was studied. Five of these nitriles gave rise to three isomeric N-methyl-v-triazoles per nitrile.

all of which were isolated. Thus Cl3CCN and CH2N2 gave triazoles I, II, and III. The v-triazole structural features were established and, in one case, corroborated by x-ray anal. A generalization of the structural attribution by 13C NMR is proposed. A study of the electronic distribution was carried out for a total of 12 nitriles and helped establish a predictive criterion of their reactivity towards diazomethane.

IT 118526-77-5P

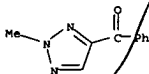
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

(reaction of nitriles with diazomethane in the synthesis and

structural study of N-methyl-v-triazoles)

RN 118526-77-5 CAPLUS

CN Methanone, (2-methyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)



15 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1994:217447 CAPLUS

DOCUMENT NUMBER: 120:217447

TITLE: Studies on specific inhibition of benzodiazepine receptor binding by some C-benzoyl-1,2,3-triazole derivatives

AUTHOR(S): Biagi, G.; Giorgi, I.; Livi, O.; Lucacchini, A.; Martini, C.; Scartoni, V.

CORPORATE SOURCE: Fac. Pharm., Univ. Pisa, Pisa, Italy

SOURCE: Journal of Pharmaceutical Sciences (1993), 82(9), 893-6

CODEN: JPMSAE; ISSN: 0022-3549

DOCUMENT TYPE: Journal

LANGUAGE: English

GI

L15 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



AB New or previously described 1,2,3-triazole derivs., characterized by a C-benzoyl substituent, were synthesized and tested for their ability to displace [3H]flunitrazepam from bovine brain membrane. Compds. I (R = cyclohexyl, phenethyl) showed the higher activity. The 5-benzoyl isomer presented a lower activity, equivalent to that of the triazoleacetic derivative,

which is 4-benzyl substituted. Generally, the carboxymethyl radical in the 1-position of the triazole ring decreased the activity, probably because of intramol. hydrogen bonding with the carbonyl function of the benzoyl substituent. The N-1 unsubstituted triazole derivs. were ineffective; this result is in disagreement with the authors previous observations. Probably these mole. interact with the receptor site by a hydrogen bonding acceptor group and by a bulky and lipophilic portion or

a hydrogen bonding donor function that is appropriately arranged.

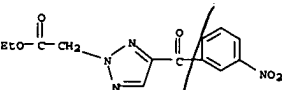
IT 103314-12-1

RL: RCT (Reactant); RACT (Reactant or reagent)

(inhibition of benzodiazepine receptor)

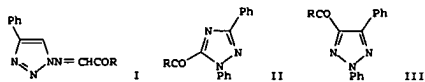
RN 103314-12-1 CAPLUS

CN 2H-1,2,3-Triazole-2-acetic acid, 4-(3-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

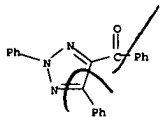


10/073,326

~~L15~~ ANSWER 7 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1990:497528 CAPLUS
 DOCUMENT NUMBER: 113:97528
 TITLE: The reaction of 1-(N-phenacylidene)amino-1,2,3-triazoles with diphenylnitrilimine
 AUTHOR(S): Bozhilova, A.; Rodios, N. A.; Tsoleridis, C. A.; Alexandrou, N. E.
 CORPORATE SOURCE: Chem. Dep., Sofia Univ., Sofia, Bulg.
 SOURCE: Journal of Heterocyclic Chemistry (1990), 27(3), 735-8
 DOCUMENT TYPE: CODEN: JHTCAD; ISSN: 0022-152X
 LANGUAGE: Journal
 OTHER SOURCE(S): CASREACT 113:97528
 GI

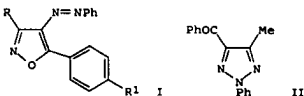


AB Diphenylnitrilimine reacts with 1-(N-phenacylidene)amino-1,2,3-triazoles
 I
 (R = Ph, 4-ClC₆H₄, 4-MeOC₆H₄, 4-O₂NC₆H₄) to give mainly 1,2,4- and 2H-1,2,3-triazoles II and III. CNDO/2 calcns. were made on the compds. I and the cycloaddn. was also examined on the basis of the interacting frontier MOs.
 IT 95310-23-9P 128960-39-4P 128960-41-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 95310-23-9 CAPLUS
 CN Methanone, (2,5-diphenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)

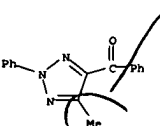


RN 128960-39-4 CAPLUS
 CN Methanone, (4-chlorophenyl) (2,5-diphenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)

~~L15~~ ANSWER 8 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1989:593936 CAPLUS
 DOCUMENT NUMBER: 111:193936
 TITLE: The mechanism of the thermal decomposition of the isoxazole ring
 AUTHOR(S): Corana, Federico; Corsico Code, Andreina; Desimoni, Giovanni; Righetti, Pierpaolo; Tacconi, Gianfranco
 CORPORATE SOURCE: Dip. Chim. Org., Univ. Pavia, Pavia, I-27100, Italy
 SOURCE: Gazzetta Chimica Italiana (1989), 119(3), 167-70
 CODEN: GCIT99; ISSN: 0016-5603
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 111:193936
 GI

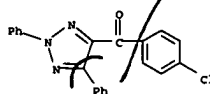


AB The thermal decomposition of 5-aryl-4-(phenylazo)isoxazoles I (R = Me, Ph; R₁ = H, OMe) has been studied and two competitive reactions were found to occur. The cleavage of the N-O bond gave a triazole derivative (i.e.,
 II) via the Wittig rearrangement. The 1,3-dipolar cycloreversion gave a nitrilimine, which was trapped by dipolarophiles (EtO)C=CH₂ and trans-MeO₂CCH=CHCO₂Me. The activation energy of the cycloreversion, at least for I (R = Me, R₁ = H and R = Ph, R₁ = H) has been found to be lower than that of the Wittig rearrangement.
 IT 3364-10-1P 95310-23-9P 123362-40-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 3364-10-1 CAPLUS
 CN Methanone, (5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)

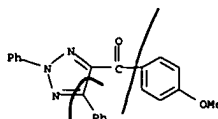


RN 95310-23-9 CAPLUS
 CN Methanone, (2,5-diphenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)

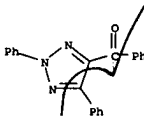
L15 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



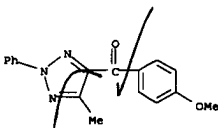
RN 128960-41-8 CAPLUS
 CN Methanone, (2,5-diphenyl-2H-1,2,3-triazol-4-yl) (4-methoxyphenyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

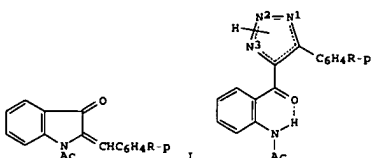


RN 123362-40-3 CAPLUS
 CN Methanone, (4-methoxyphenyl) (5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)



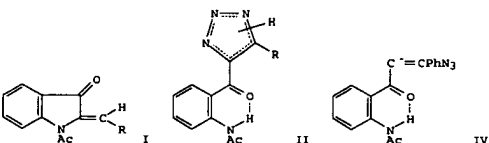
10/073,326

~~L16~~ ANSWER 9 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1989:231003 CAPLUS
 DOCUMENT NUMBER: 110:231003
 TITLE: Synthesis of 5-aryl-4-[2-(acetylamino)benzoyl]-1,2,3-triazoles with a nitrogen-15 isotope in terminal positions in the triazole ring and their tautomeric composition
 AUTHOR(S): Kurkovskaya, L. N.; Velezheva, V. S.; Sorokina, I. K.;
 CORPORATE SOURCE: Dmitrevskaya, L. I.; Zhil'nikov, V. G. Vses. Nauchno-Issled. Khim.-Farm. Inst., Moscow, USSR
 SOURCE: Zhurnal Organicheskoi Khimii (1988), 24(7), 1541-6 CODEN: ZORKAE; ISSN: 0514-7492
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 110:231003
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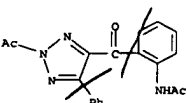


AB Ring cleavage-heterocyclization of acetylindolinones I (R = H, CHMe2) with terminally labeled Na15N3 in DMSO-AcOH gives triazoles II (N1 = 14N, N3 = 15N and vice versa) in a 1:1 ratio. Solution NMR data indicate that II and related compds. exist in 2 of 3 possible tautomeric forms [II(2H) .dblharw. II(3H)]. Acylation of II takes place at N2.
 IT 120642-54-8P 120642-55-9P 120642-67-3P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 120642-54-8 CAPLUS
 CN Acetamide,
 N-[2-[[2-acetyl-5-(4-(1-methylethyl)phenyl)-2H-1,2,3-triazol-4-yl-3-15N]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

~~L15~~ ANSWER 10 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1989:212696 CAPLUS
 DOCUMENT NUMBER: 110:212696
 TITLE: Conversion of 2-(arylmethylene)-3-indolinones to 4-[2-(acetylamino)benzoyl]-5-aryl-1,2,3-triazoles
 AUTHOR(S): Velezheva, V. S.; Marshakov, V. Yu.; Mel'man, A. I.; Kurkovskaya, L. N.; Suvorov, N. N.
 CORPORATE SOURCE: Vses. Nauchno-Issled. Khim.-Farm. Inst., Moscow, USSR
 SOURCE: Zhurnal Organicheskoi Khimii (1988), 24(7), 1531-40 CODEN: ZORKAE; ISSN: 0514-7492
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 110:212696
 GI

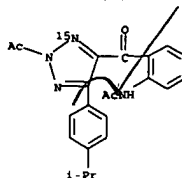


AB Ring cleavage-heterocyclization of indolinone derivs. I (R = substituted Ph, pyridyl) by NaN3 in DMSO-AcOH afforded 87-90% triazoles II. o-(AcNH)C6H4COC(CH2CH2Cl):CPhN3 (III) was formed in 44% yield in the reaction of I (R = Ph) with NaN3 in ClCH2CH2Cl-H2O in the presence of Bu4NBr. Intermediate carbanion IV accounted for the formation of both II and III.
 IT 95542-24-8P 120642-67-3P 120642-68-4P
 120642-69-5P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 95542-24-8 CAPLUS
 CN Acetamide,
 N-[2-[[2-acetyl-5-phenyl-2H-1,2,3-triazol-4-yl]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

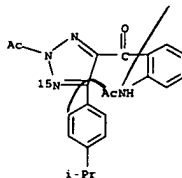


RN 120642-67-3 CAPLUS
 CN Acetamide,
 N-[2-[[2-acetyl-5-(4-(1-methylethyl)phenyl)-2H-1,2,3-triazol-4-yl]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

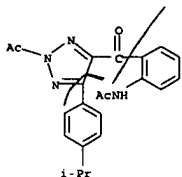
L15 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



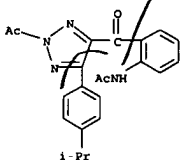
RN 120642-55-9 CAPLUS
 CN Acetamide,
 N-[2-[[2-acetyl-5-(4-(1-methylethyl)phenyl)-2H-1,2,3-triazol-4-yl-1-15N]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



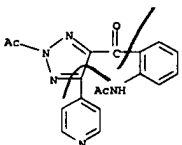
RN 120642-67-3 CAPLUS
 CN Acetamide,
 N-[2-[[2-acetyl-5-(4-(1-methylethyl)phenyl)-2H-1,2,3-triazol-4-yl]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



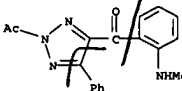
L15 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 120642-68-4 CAPLUS
 CN Acetamide, N-[2-[[2-acetyl-5-(4-pyridinyl)-2H-1,2,3-triazol-4-yl]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

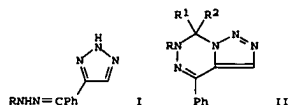


RN 120642-69-5 CAPLUS
 CN 2H-1,2,3-Triazole, 2-acetyl-4-[2-(methyleamino)benzoyl]-5-phenyl- (9CI) (CA INDEX NAME)

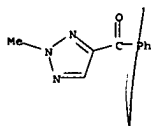


10/073,326

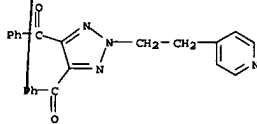
L15 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1989:57625 CAPLUS
 DOCUMENT NUMBER: 110:57625
 TITLE: A new heterocyclic structure. (1,2,3)Triazolo[1,5-d][1,2,4]triazine
 AUTHOR(S): Bianchi, Mario; Butti, Alina; Perronnet, Jacques
 CORPORATE SOURCE: Roussel Meestretti Res. Cent., Milan, 20131, Italy
 SOURCE: Journal of Heterocyclic Chemistry (1988), 25(3), 743-50
 CODEN: JHTCAD; ISSN: 0022-152X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 110:57625
 GI



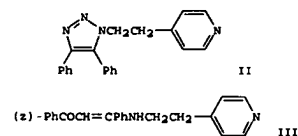
AB Hydrazone deriva. I (R = H, Me, EtO₂CH₂, EtO₂C) of 4-benzoyl-1,2,3-triazole are easily cyclized by reaction with various organic reagents (ortho esters, aldehydes and ketones, Cl₂CO, etc.) which result in the incorporation of the introduced reagent's C atom into the new 6-membered ring. The newly created C-N bond of the resulting [1,2,3]triazolo[1,5-d][1,2,4]triazine (e.g., II; R₁ = H, R₂ = H, Me, Ph, CO₂Et; R₁ = Me, R₂ = Me, CO₂Et) displays a particular sensitivity due to the electron attracting effect of the triazole ring. Some mechanistic consideration are discussed.
 IT 118526-77-5P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 118526-77-5 CAPLUS
 CN Methanone, (2-methyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)



L15 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

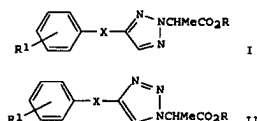


L15 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1989:57583 CAPLUS
 DOCUMENT NUMBER: 110:57583
 TITLE: The synthesis of 1,2,3-triazoles and aziridines using 2-(4-pyridyl)ethyl azide
 AUTHOR(S): Katritzky, Alan R.; Takahashi, Ichiro; Merson, Charles
 CORPORATE SOURCE: M.; Scriven, Eric F. V.
 USA: Dep. Chem., Univ. Florida, Gainesville, FL, 32611,
 SOURCE: Chemica Scripta (1988), 28(2), 149-55
 CODEN: CSRPB9; ISSN: 0004-2056
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 110:57583
 GI

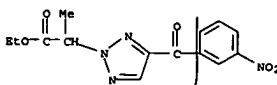


AB 2-(4-Pyridyl)ethyl azide (I) is a versatile alternative to HN₃ for 1,3-dipolar cycloaddn. reactions. Various 1,2,3-triazoles and aziridines were prepared from this azide. E.g., cycloaddn. with PhC.tpbond.CPH
 gave 54% (pyridylethyl)triazole II. Quaternization with MeI followed by retro Michael reaction then gave the dealkylated triazoles (e.g., 4,5-diphenyl-1,2,3-1H-triazole). Reaction of I with acylethylene-type dipolarophiles (e.g., (E)-chalcone) gave no aziridines, but the corresponding ring-opened enamino ketones (e.g., III).
 IT 117377-91-0P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 117377-91-0 CAPLUS
 CN Methanone, [2-[2-(4-pyridinyl)ethyl]-2H-1,2,3-triazole-4,5-diyl]bis[phenyl- (9CI) (CA INDEX NAME)

L15 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1987:470432 CAPLUS
 DOCUMENT NUMBER: 107:70432
 TITLE: Studies on 1,2,3-triazole derivatives as potential inhibitors of the cyclooxygenase
 AUTHOR(S): Biagi, G.; Livi, O.; Scartoni, V.
 CORPORATE SOURCE: Iat. Chim. Farm., Univ. Pisa, Pisa, Italy
 SOURCE: Farmaco, Edizione Scientifica (1987), 42(4), 285-97
 CODEN: FRPSAX; ISSN: 0430-0920
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI

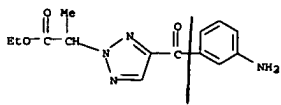
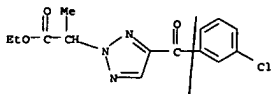
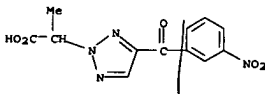
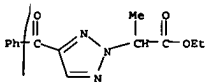


AB I and II (X = bond, CO, or CH₂. R = H, or Et, R₁ = H or m- or p-NO₂, NH₂, Cl or CN) were prepared, e.g., by treatment of the corresponding phenyl-, benzyl- or benzoyl- triazole with MeCHBrCO₂Et. In tests for antiinflammatory activity through inhibition of prostaglandin synthesis, of the benzoyl deriva., (X = CO, R = Et, R₁ = H) and II (X = CO, R = Et, R₁ = H) were the most effective with activities 6 and 2 times that of indomethacin and 1/2 and 1/5 that of aspirin, resp. The presence of a substituent (NH₂, NO₂, Cl, CN) in the meta position results in compds. of lesser activity while opposite results were found for I (X = bond) deriva.
 The unsubstituted product was less active than compds. with para substituents.
 IT 109171-33-7P 109171-35-9P 109171-37-1P
 109171-40-6P 109171-42-8P 109193-16-ODP
 copper complexes 109193-16-OP 109665-48-7P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and inflammation inhibitory activity of)
 RN 109171-33-7 CAPLUS
 CN 2H-1,2,3-Triazole-2-acetic acid, α-methyl-4-(3-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)



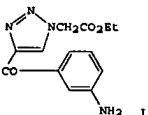
RN 109171-35-9 CAPLUS
 CN 2H-1,2,3-Triazole-2-acetic acid, 4-(3-aminobenzoyl)-α-methyl-, ethyl

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L15 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
ester (9CI) (CA INDEX NAME)RN 109171-37-1 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-(3-chlorobenzoyl)-α-methyl-, ethyl ester (9CI) (CA INDEX NAME)RN 109171-40-6 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, α-methyl-4-(3-nitrobenzoyl)- (9CI) (CA INDEX NAME)RN 109171-42-8 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-benzoyl-α-methyl-, ethyl ester (9CI) (CA INDEX NAME)RN 109193-16-0 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-benzoyl-α-methyl- (9CI) (CA INDEX NAME)

L15 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1986:454111 CAPLUS
DOCUMENT NUMBER: 105:54111
TITLE: 4-Benzoyl- and 4-benzyl-1,2,3-triazol-N-acetic acids, in vitro inhibitors of prostaglandin synthesis
AUTHOR(S): Biegi, G.; Perretti, M.; Livi, O.; Scartoni, V.; Lucacchini, A.; Mazzoni, M.
CORPORATE SOURCE: Ist. Chim. Farm., Univ. Pisa, Pisa, Italy
SOURCE: Farmaco, Edizione Scientifica (1986), 41(5), 388-400
DOCUMENT TYPE: CODEN: FRPSAX; ISSN: 0430-0920
LANGUAGE: English
GI

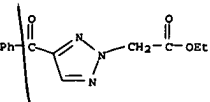


AB Several title compds. were prepared and evaluated for anti-inflammatory activity using in vitro tests. The 1st test measured the ability of the triazoles to inhibit prostaglandin synthesis, by assaying the malondialdehyde (MDA) produced by incubation of arachidonate with platelet rich plasma. The 2nd test evaluated the ability of the deriva. to displace [¹⁴C]indomethacin from bovine vesicular gland microsomes. 1-Carboxymethyl-4-(m-aminobenzoyl)-1H-1,2,3-triazole (I) [103313-98-0]

showed potent activity in both tests. Some structure-activity relations are discussed.

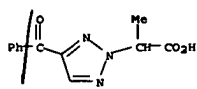
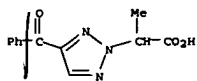
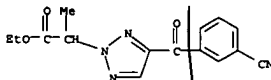
IT 103314-01-8P 103314-12-1P 103314-15-4P
103314-17-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and anti-inflammatory activity of, structure in relation to)

RN 103314-01-8 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-benzoyl-, ethyl ester (9CI) (CA INDEX NAME)

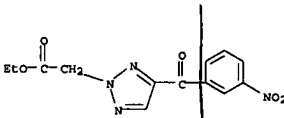
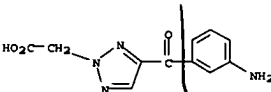
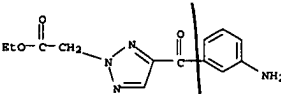


RN 103314-12-1 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-(3-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

L15 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

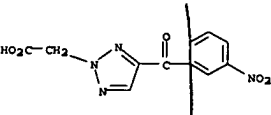
RN 109193-16-0 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-benzoyl-α-methyl- (9CI) (CA INDEX NAME)RN 109665-48-7 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, α-methyl-4-(3-cyanobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

L15 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 103314-15-4 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-(3-aminobenzoyl)- (9CI) (CA INDEX NAME)RN 103314-17-6 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-(3-aminobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

IT 103314-09-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)

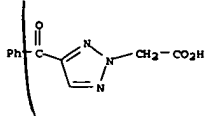
RN 103314-09-6 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-(3-nitrobenzoyl)- (9CI) (CA INDEX NAME)



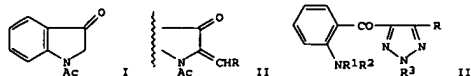
IT 103314-03-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 103314-03-0 CAPLUS
CN 2H-1,2,3-Triazole-2-acetic acid, 4-benzoyl- (9CI) (CA INDEX NAME)

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L15 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

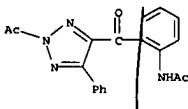


L15 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1985:131973 CAPLUS
 DOCUMENT NUMBER: 102:131973
 TITLE: New method for the conversion of 1-acetylindolin-3-one and aromatic aldehydes to o-aminophenyl ketones of the vic-triazole series
 AUTHOR(S): Velezheva, V. S.; Vampilova, V. V.; Marehakov, Yu. V.; Suvorov, N. N.
 CORPORATE SOURCE: Mosk. Khim.-Tekhnol. Inst., Moscow, USSR
 SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1984), (12), 1687-8
 CODEN: KGSSAQ; ISSN: 0453-8234
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 102:131973
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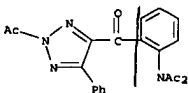


AB Condensation of indolinone I with RCHO (R = Ph, p-Me2CHC6H4, p-O2NC6H4, 4-pyridyl) gave acylidene deriva. II which were treated with NaN3 in Me2SO-AcOH (1:5) to give 87-90% triazoles III (R as above, R1 = R3 = H, R2 = Ac). Subsequent deacetylation by NaOH in aqueous dioxane gave 95-97% III (R1 = R2 = R3 = H). Addnl. obtained was III (R = Ph, R1 = R3 = Ac, R2 = H).
 IT 95542-24-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and acetylation of)
 RN 95542-24-8 CAPLUS
 CN Acetamide, N-acetyl-N-[2-[(2-acetyl-5-phenyl-2H-1,2,3-triazol-4-yl)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

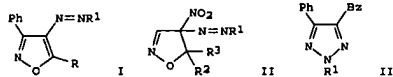
L15 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



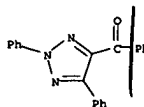
IT 95542-25-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and deacetylation of)
 RN 95542-25-9 CAPLUS
 CN Acetamide, N-acetyl-N-[2-[(2-acetyl-5-phenyl-2H-1,2,3-triazol-4-yl)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



L15 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1985:113345 CAPLUS
 DOCUMENT NUMBER: 102:113345
 TITLE: Synthesis and properties of 4-arylozo derivatives of isoxazole and isoxazoline
 AUTHOR(S): Malyuta, N. G.; Khisamtdinov, G. Kh.; Demina, L. A.
 CORPORATE SOURCE: Kuzbass. Politekh. Inst., Kemerovo, USSR
 SOURCE: Zhurnal Organicheskoi Khimii (1984), 20(9), 2020-7
 CODEN: ZORKAE; ISSN: 0514-7492
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 102:113345
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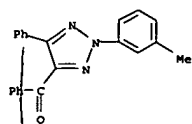
AB Title isoxazoles I [R = (un)substituted Ph, Et, Me, R1 = Ph, (un)substituted Ph, 2-anthraquinonyl] and isoxazolines II [R1 = Ph, R2 = H, Me, R3 = Me; R1 = Ph, m-tolyl, 2-ClC6H4, 4-O2NC6H4, R2R3 = (CH2)5] were prepared in 2-75% and 30-80% yields, resp., by treating the Na salts of substituted 4-nitroisoxazolines with R1N2+ Cl- in a weakly-basic or neutral medium in the cold. Thermal rearrangement of I (R = Ph, R1 = Ph, m-, p-tolyl) in an ampule at 300° gave 15-20% triazoles III.
 IT 95310-23-9P 95310-24-0P 95310-25-1P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 95310-23-9 CAPLUS
 CN Methanone, (2,5-diphenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)



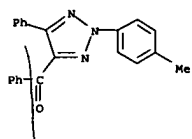
RN 95310-24-0 CAPLUS
 CN Methanone, [2-(3-methylphenyl)-5-phenyl-2H-1,2,3-triazol-4-yl]phenyl- (9CI) (CA INDEX NAME)

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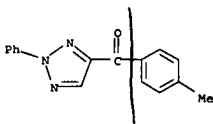
L15 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 95310-25-1 CAPLUS
 CN Methanone, [2-(4-methylphenyl)-5-phenyl-2H-1,2,3-triazol-4-yl]phenyl-
 (9CI) (CA INDEX NAME)

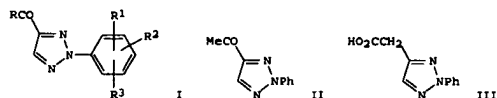


L15 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

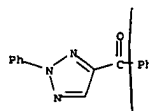


L15 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1983:198247 CAPLUS
 DOCUMENT NUMBER: 98:198247
 TITLE: 2-Phenyl-2H-1,2,3-triazoles and their use
 INVENTOR(S): Kabas, Guglielmo; Tobler, Hans
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Ger. Offen., 47 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3230200	A1	19830303	DE 1982-3230200	19820813
GB 2105327	A1	19830323	GB 1982-23111	19820811
FR 2511367	A1	19830218	FR 1982-14059	19820812
NL 8203209	A	19830316	NL 1982-3209	19820816
BR 8204786	A	19830802	BR 1982-4786	19820816
JP 58039658	A2	19830308	JP 1982-141765	19820817
PRIORITY APPLN. INFO.:			CH 1981-5302	19810817
GI				

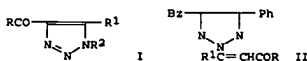


AB I [R = C1-6 alkyl, (un)substituted Ph or benzyl; R1-3 = H, halo, CF3, cyano, NO2, alkyl, etc.] were prepared as intermediates for optical brighteners for textiles. Thus, MeCOCHPhCHO was treated with NH2OH and the oxime cyclized to II with Ac2O; II was heated with S to give III.
 IT 85693-71-6P 85693-72-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 85693-71-6 CAPLUS
 CN Methanone, phenyl (2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)

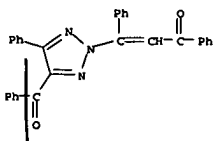


RN 85693-72-7 CAPLUS
 CN Methanone, (4-methylphenyl) (2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)

L15 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1979:420411 CAPLUS
 DOCUMENT NUMBER: 91:20411
 TITLE: Synthesis of acyl- and vinyl-substituted 1,2,3-triazoles
 AUTHOR(S): Vereshchagin, L. I.; Tikhonova, L. G.; Maksikova, A. V.; Gavrilov, L. D.; Gareev, G. A.
 CORPORATE SOURCE: Inst. Nefte- Uglekhim. Sint., Irkutsk, USSR
 SOURCE: Zhurnal Organicheskoi Khimii (1979), 15(3), 612-18
 CODEN: ZORKAE; ISSN: 0514-7492
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 91:20411
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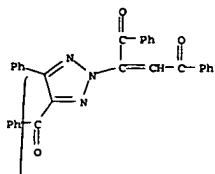
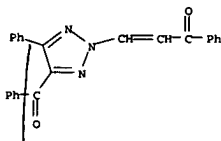
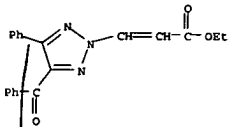


AB Acyltriazoles I [R = Ph, Me, HO, p-MeOC6H4, Me2CH, 3,4-(MeO)2 C6H3, R1 = HOCHMe2, CH2OH, CH2C(OH)Me2, Bz, Ph, H, CO2H, p-MeC6H4, p-MeOC6H4, R2 = H, CH2OCH2Cl] were prepared in 52-91% yields by cyclization of RCOO.tplbond.CR1, prepared by oxidation of RC(OH)C.tplbond.CR1, with R2N3. Triazoles II (R = Ph, EtO, R1 = HOCHMe2, Bz, Ph, H) were obtained in 30-59% yields by treatment of the corresponding RCOO.tplbond.CR1 with I (R = R1 = Ph, R2 = H).
 IT 70501-74-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or Reagent)
 (preparation and ring cleavage of)
 RN 70501-74-5 CAPLUS
 CN 2-Propen-1-one,
 3-(4-benzoyl-5-phenyl-2H-1,2,3-triazol-2-yl)-1,3-diphenyl-
 (9CI) (CA INDEX NAME)



IT 70501-73-4P 70501-75-6P 70501-76-7P
 70520-58-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 70501-73-4 CAPLUS
 CN 2-Butene-1,4-dione, 2-(4-benzoyl-5-phenyl-2H-1,2,3-triazol-2-yl)-1,4-

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L15 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
diphenyl- (9CI) (CA INDEX NAME)RN 70501-75-6 CAPLUS
CN 2-Propen-1-one, 3-(4-benzoyl-5-phenyl-2H-1,2,3-triazol-2-yl)-1-phenyl- (9CI) (CA INDEX NAME)RN 70501-76-7 CAPLUS
CN 2-Propenoic acid, 3-(4-benzoyl-5-phenyl-2H-1,2,3-triazol-2-yl)-, ethyl ester (9CI) (CA INDEX NAME)RN 70520-58-0 CAPLUS
CN 2-Penten-1-one, 3-(4-benzoyl-5-phenyl-2H-1,2,3-triazol-2-yl)-4-hydroxy-4-methyl-1-phenyl- (9CI) (CA INDEX NAME)

L15 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1978:597499 CAPLUS

DOCUMENT NUMBER: 89:197499

TITLE: Heteroaromatic compounds with annelated seven-membered

AUTHOR(S): Weber, Karl Heinz; Langbein, Adolf; Daniel, Helmut
CORPORATE SOURCE: Abt. Pharmachem., Firma C. H. Boehringer Sohn, Ingelheim, Fed. Rep. Ger.SOURCE: Justus Liebig's Annalen der Chemie (1978), (8), 1241-9
CODEN: JLABCF; ISSN: 0075-4617

DOCUMENT TYPE: Journal

LANGUAGE: German

OTHER SOURCE(S): CASREACT 89:197499

GI For diagram(s), see printed CA Issue.

AB Triazoloxazepinones I (X = O; 2-, 3-Me), triazolothiazepinone I (X = S, 2-Me), pyrazolothiazepinone II, and thienoxazepinones III (X1 = S, X2 = CH, R = Cl) and III (X1 = CH, X2 = S, R = H), potential psychotropics, were prepared from the corresponding amino ketones IV (HET = triazole, pyrazole, thiophene moiety, R1 = H or final substituents of products and R2 substituents as in the products). I (X = O; 2-, 3-Me), e.g., were prepared in 6 steps from 2-NCCH2COC6H4Cl via IV (HET = triazole, R1 = H,

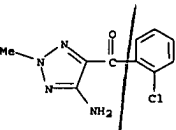
R2 = Cl) and V (2-, 3-Me). I, II, and III show little action on the central nervous system.

68221-28-39

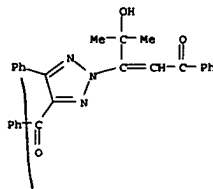
IT RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and hydride reduction of)

RN 68221-28-3 CAPLUS

CN Methanone, (5-amino-2-methyl-2H-1,2,3-triazol-4-yl) (2-chlorophenyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1973:137370 CAPLUS

DOCUMENT NUMBER: 78:137370

TITLE: 2-Phenyl-4-(2-hydroxybenzoyl)-v-triazoles as uv absorbers for nontextile organic materials

INVENTOR(S): Rody, Jean; Lind, Hanns

PATENT ASSIGNEE(S): Ciba-Geigy A.-G.

SOURCE: Patentschrift (Switz.), 17 pp.

CODEN: SWXXAS

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CH 524662	A	19720630	CH 1970-524662	19700311
US 3749732	A	19730731	US 1971-122132	19710308
NL 7103208	A	19710914	NL 1971-3208	19710310
DE 2111538	A	19710930	DE 1971-2111538	19710310
FR 2084419	A5	19711217	FR 1971-8261	19710310
GB 1317232	A	19730516	GB 1971-23653	19710419
US 3826752	A	19740730	US 1973-354402	19730425

PRIORITY APPLN. INFO.: CH 1970-3601 19700311
US 1971-122132 19710308

AB The title compds. of type I (R = H, Me, Ph, C17H35; R1 = H, C1-18 alkyl, C4 alkenyl, alkylbenzyl, C2-18 acyl; R2 = Bu, OH, OMe; m = 0,1; n = 0,2) were prepared by cyclizing a 2-aryloxymalonaldoxime or a 2-aryloxyacylacetal to give II (V = CH, CONH2) which was treated via the corresponding acid chloride with a monoether of resorcinol (III) to give I or with a III diether to give I via dealkylation. I were used as uv stabilizers in nontextile, organic materials such as polyester resins, cellulose acetate, PVC, polyethylene, polymethacrylate, or cosmetic preps. For example, phenylazomalonaldoxime was cyclized under Perkin conditions to II (V = CH; R = H; n = m = 0), which was hydrolyzed with HOAc and HBr to the corresponding acid and treated with SOCl2 to give the acid chloride which was treated with III dimethyl ether under Friedel-Crafts conditions and hydrolyzed to give 2-phenyl-4-(2-hydroxy-4-methoxybenzoyl)-2H-1,2,3-triazole (I, R = H, R1 = Me, n = m = 0) (IV) [34143-58-3]. Addition of 0.25 weight % IV and 1 weight % Bz2O2 to a polyester resin from ethylene glycol, diethylene glycol, maleic anhydride, phthalic anhydride, and styrene gave a product which had 86.5% transmission at 440 nm before uv exposure. After 1000 hr uv exposure a 2% decrease in transmission was observed

IT 36386-91-1P 36386-92-2P 36401-37-3P

36401-42-0P 36401-44-2P 36401-49-7P

36401-52-2P 36401-59-9P 36401-63-5P

36401-69-1P 36471-51-9P 41463-10-9P

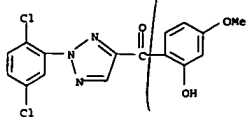
RL: PREP (Preparation)

(preparation of)

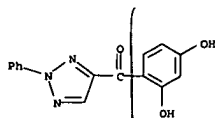
RN 36386-91-1 CAPLUS

CN Methanone, [2-(2,5-dichlorophenyl)-2H-1,2,3-triazol-4-yl] (2-hydroxy-4-methoxyphenyl)- (9CI) (CA INDEX NAME)

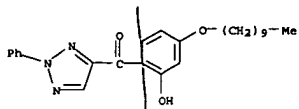
L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



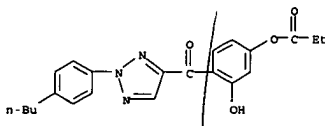
RN 36386-92-2 CAPLUS
CN Methanone, (2,4-dihydroxyphenyl) (2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)



RN 36401-37-3 CAPLUS
CN Methanone, (4-(decyloxy)-2-hydroxyphenyl) (2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)

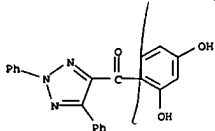


RN 36401-42-0 CAPLUS
CN Methanone, [2-(4-butyloxyphenyl)-2H-1,2,3-triazol-4-yl] (2-hydroxy-4-(1-oxopropoxy)phenyl)- (9CI) (CA INDEX NAME)

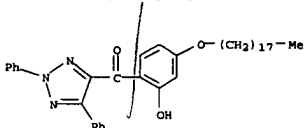


RN 36401-44-2 CAPLUS
CN Methanone, (4-(acetoxyl)-2-hydroxyphenyl) (5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)

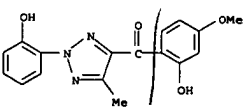
L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
CN Methanone, (2,4-dihydroxyphenyl) (2,5-diphenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)



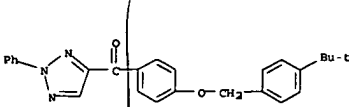
RN 36401-69-1 CAPLUS
CN Methanone, (2,5-diphenyl-2H-1,2,3-triazol-4-yl) (2-hydroxy-4-(octadecyloxy)phenyl)- (9CI) (CA INDEX NAME)



RN 36471-51-9 CAPLUS
CN Methanone, (2-hydroxy-4-methoxyphenyl) (2-(2-hydroxyphenyl)-5-methyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)

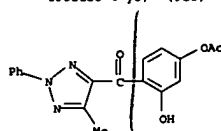


RN 41663-10-9 CAPLUS
CN Methanone, [4-[[4-(1,1-dimethylethyl)phenyl]methoxy]phenyl] (2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)

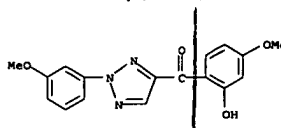


IT 34143-58-3 36386-89-7 36386-90-0
36386-93-3 36401-32-8 36401-33-9
36401-34-0 36401-35-1 36401-36-2
36401-38-4 36401-41-9 36401-43-1
36401-45-3 36401-50-0 36401-51-1
36401-60-2 36401-61-3 36401-62-4

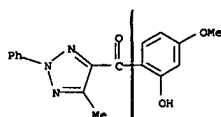
L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
triazol-4-yl)- (9CI) (CA INDEX NAME)



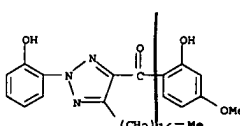
RN 36401-49-7 CAPLUS
CN Methanone, (2-hydroxy-4-methoxyphenyl) (2-(3-methoxyphenyl)-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)



RN 36401-52-2 CAPLUS
CN Methanone, (2-hydroxy-4-methoxyphenyl) (5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)



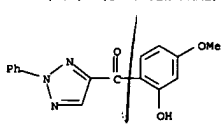
RN 36401-59-9 CAPLUS
CN Methanone, [5-heptadecyl-2-(2-hydroxyphenyl)-2H-1,2,3-triazol-4-yl] (2-hydroxy-4-methoxyphenyl)- (9CI) (CA INDEX NAME)



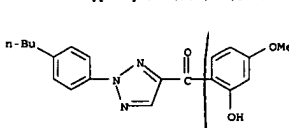
RN 36401-63-5 CAPLUS

L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

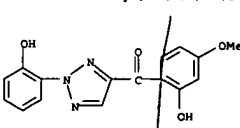
36401-64-6 36401-65-7 36401-66-8
36401-67-9 36401-68-0 41663-33-6
RL: USES (Uses)
(uv stabilizers, for polymers)
RN 34143-58-3 CAPLUS
CN Methanone, (2-hydroxy-4-methoxyphenyl) (2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)



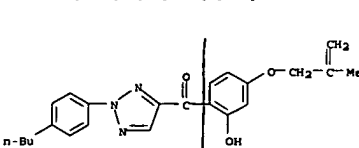
RN 36386-89-7 CAPLUS
CN Methanone, [2-(4-butyloxyphenyl)-2H-1,2,3-triazol-4-yl] (2-hydroxy-4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 36386-90-0 CAPLUS
CN Methanone, (2-hydroxy-4-methoxyphenyl) (2-(2-hydroxyphenyl)-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)

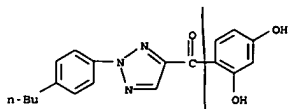


RN 36386-93-3 CAPLUS
CN Methanone, [2-(4-butyloxyphenyl)-2H-1,2,3-triazol-4-yl] (2-hydroxy-4-[(2-methyl-2-propenyl)oxy]phenyl)- (9CI) (CA INDEX NAME)

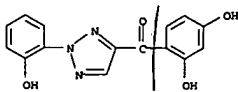


RN 36401-32-8 CAPLUS

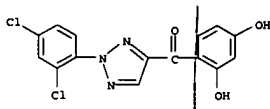
L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 CN Methanone, [2-(4-butylphenyl)-2H-1,2,3-triazol-4-yl] [2,4-dihydroxyphenyl]-
 (9CI) (CA INDEX NAME)



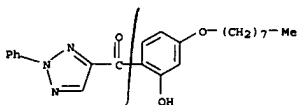
RN 36401-33-9 CAPLUS
 CN Methanone, [2-(2,4-dihydroxyphenyl)-2H-1,2,3-triazol-4-yl]- (9CI) (CA INDEX NAME)



RN 36401-34-0 CAPLUS
 CN Methanone, [2-(2,4-dichlorophenyl)-2H-1,2,3-triazol-4-yl] [2,4-dihydroxyphenyl]- (9CI) (CA INDEX NAME)

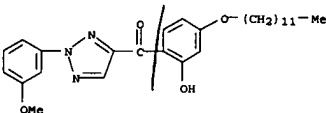


RN 36401-35-1 CAPLUS
 CN Methanone, [2-(2-hydroxy-4-(octyloxy)phenyl)-2-phenyl-2H-1,2,3-triazol-4-yl]- (9CI) (CA INDEX NAME)

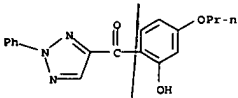


RN 36401-36-2 CAPLUS
 CN Methanone, [2-(4-butylphenyl)-2H-1,2,3-triazol-4-yl] [2-hydroxy-4-(3-

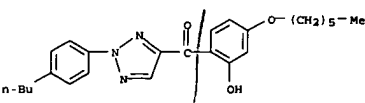
L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 CN Methanone, [4-(dodecyloxy)-2-hydroxyphenyl] [2-(3-methoxyphenyl)-2H-1,2,3-triazol-4-yl]- (9CI) (CA INDEX NAME)



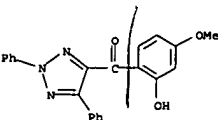
RN 36401-50-0 CAPLUS
 CN Methanone, [2-hydroxy-4-propoxyphenyl] [2-phenyl-2H-1,2,3-triazol-4-yl]- (9CI) (CA INDEX NAME)



RN 36401-51-1 CAPLUS
 CN Methanone, [2-(4-butylphenyl)-2H-1,2,3-triazol-4-yl] [4-(hexyloxy)-2-hydroxyphenyl]- (9CI) (CA INDEX NAME)

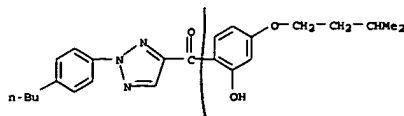


RN 36401-60-2 CAPLUS
 CN Methanone, [2,5-diphenyl-2H-1,2,3-triazol-4-yl] [2-hydroxy-4-methoxyphenyl]- (9CI) (CA INDEX NAME)

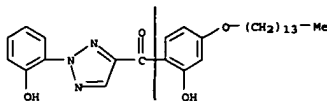


RN 36401-61-3 CAPLUS
 CN Methanone, [2,4-dihydroxyphenyl] [5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl]- (9CI) (CA INDEX NAME)

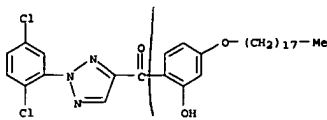
L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 methylbutoxy)phenyl]- (9CI) (CA INDEX NAME)



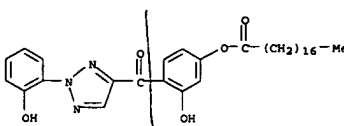
RN 36401-38-4 CAPLUS
 CN Methanone, [2-(2-hydroxyphenyl)-2H-1,2,3-triazol-4-yl] [2-hydroxy-4-(tetradecyloxy)phenyl]- (9CI) (CA INDEX NAME)



RN 36401-41-9 CAPLUS
 CN Methanone, [2-(2,5-dichlorophenyl)-2H-1,2,3-triazol-4-yl] [2-hydroxy-4-(octadecyloxy)phenyl]- (9CI) (CA INDEX NAME)

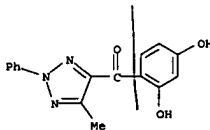


RN 36401-43-1 CAPLUS
 CN Octadecanoic acid, 3-hydroxy-4-[[2-(2-hydroxyphenyl)-2H-1,2,3-triazol-4-yl]carbonyl]phenyl ester (9CI) (CA INDEX NAME)

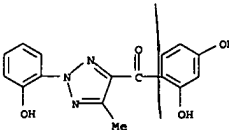


RN 36401-45-3 CAPLUS

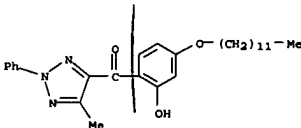
L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



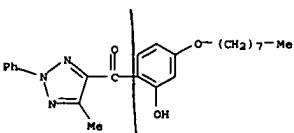
RN 36401-62-4 CAPLUS
 CN Methanone, [2,4-dihydroxyphenyl] [2-(2-hydroxyphenyl)-5-methyl-2H-1,2,3-triazol-4-yl]- (9CI) (CA INDEX NAME)



RN 36401-64-6 CAPLUS
 CN Methanone, [4-(dodecyloxy)-2-hydroxyphenyl] [5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl]- (9CI) (CA INDEX NAME)



RN 36401-65-7 CAPLUS
 CN Methanone, [2-hydroxy-4-(octyloxy)phenyl] [5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl]- (9CI) (CA INDEX NAME)

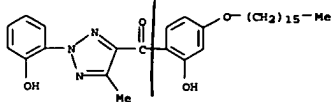


RN 36401-66-8 CAPLUS
 CN Methanone, [4-(hexadecyloxy)-2-hydroxyphenyl] [2-(2-hydroxyphenyl)-5-methyl-2H-1,2,3-triazol-4-yl]- (9CI) (CA INDEX NAME)

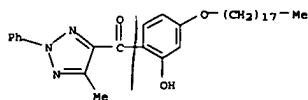


10/073,326

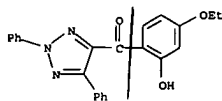
L15 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



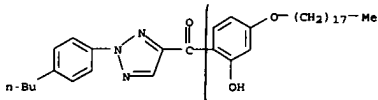
RN 36401-67-9 CAPLUS
CN Methanone, [2-hydroxy-4-(octadecyloxy)phenyl] (5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)



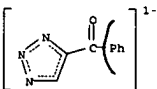
RN 36401-68-0 CAPLUS
CN Methanone, [2,5-diphenyl-2H-1,2,3-triazol-4-yl] (4-ethoxy-2-hydroxyphenyl)- (9CI) (CA INDEX NAME)



RN 41663-33-6 CAPLUS
CN Methanone, [2-(4-butylphenyl)-2H-1,2,3-triazol-4-yl] [2-hydroxy-4-(octadecyloxy)phenyl]- (9CI) (CA INDEX NAME)

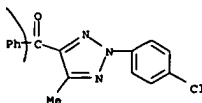


L15 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

● Na⁺

L15 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1967:75959 CAPLUS
DOCUMENT NUMBER: 66:75959
TITLE: Reaction between phenyl ethynyl ketone and the azide ion in various media
AUTHOR(S): Nersisyanov, A. N.; Rybinskaya, M. I.
CORPORATE SOURCE: Inst. Elementoorg. Compds., Moscow, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1966), 2(12), 2081-6
CODEN: ZORJAB; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 66:75959
GI For diagram(s), see printed CA issue.
AB BzC.tplbond.CH reacts with NaN₃ in HCONMe₂ solution to give Na 4-benzoyl-1,2,3-triazole (I), in H₂O solution, at pH 10, to give 5-phenylisoxazole (II), BzMe, and BzCH:CHONa (III) mixture, and finally in MeOH-H₂O solns. at pH 5-5.8 to give II and trans-BzCH:CHN₃ (IV). The above facts are correlated by postulating the existence of a stable intermediate ion BzC+:CHN-N:N-. A solution 2.6 g. BzC.tplbond.CH in HCONMe₂ was added with stirring to 1.3 g. NaN₃ powder in 50 ml. HCONMe₂; the mixture was stirred 2 hrs. 40°, kept overnight, evaporated, and acidified with 10% HCl solution to precipitate 82% I, m. 123-4° (cyclohexane). Similarly, shaking a solution of 1.3 g. NaN₃ in 25 ml. H₂O (pH 10) with 2.6 g. BzC.tplbond.CH 25 hrs., followed by extraction with ether and Al₂O₃ chromatog., gave a mixture of II and BzMe, which was separated via a CdCl₂-II complex. The yield of II, n₂₀D 1.5845, was 16% and of BzMe (2,4-dinitrophenylhydrazone m. 235°) 27%. Aqueous layer containing 0.11 g. III was identified as a ferrichloride-2-naphthopyrylium compound, m. 185°. Addition of 2.6 g. BzC.tplbond.CH to a solution containing 2.6 g. NaN₃, 1.15 ml. AcOH, and 20 ml. H₂O in 40 ml. MeOH (pH 5.8) gave a precipitate of 29% IV, m. 85-6°, and 13% I.
IT 26812-59-9P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
RN 26812-59-9 CAPLUS
CN Ketone, phenyl v-triazol-4-yl, sodium salt (8CI) (CA INDEX NAME)

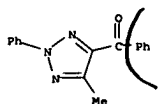
L15 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1967:28775 CAPLUS
DOCUMENT NUMBER: 66:28775
TITLE: Vicinal triazoles
INVENTOR(S): Hirsch, Bodo
PATENT ASSIGNEE(S): Isis-Chemie K.-G.
SOURCE: Ger., 2 pp.
CODEN: GWXXAW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
PATENT NO. KIND DATE APPLICATION NO. DATE
DE 1226591 19661013 DE 19631112
GI For diagram(s), see printed CA issue.
AB The title compds. (I) were prepared by heating a substituted glyoxaliminallyhydrazone in alc. solution with an ammoniacal-aqueous cupric salt. Thus, α-phenylazo-β-aminocinnamic acid nitrile 2 in EtOH 50 treated with CuCl₂·2H₂O 2 in concentrated NH₃ 10, the mixture heated 30 min., and the precipitate filtered off gave 2-phenyl-4-phenyl-5-cyano-1,2,3-triazole 1.8 parts, white needles, m. 133-4° (EtOH). Similarly was prepared 5-cyano-4-phenyl-2-(4-bromophenyl)-1,2,3-triazole, m. 140° (EtOH). Similarly prepared, and the separated crystals dissolved in EtOH, acidified with dilute HCl, and the triazole precipitated with H₂O was 5-acetyl-4-methyl-2-phenyl-1,2,3-triazole, m. 54° (EtOH). Similarly prepared were 5-acetyl-4-methyl-2-p-tolyl-1,2,3-triazole, m. 93°; 5-acetyl-4-methyl-2-(4-bromophenyl)-1,2,3-triazole, m. 109°; 5-benzoyl-4-methyl-2-phenyl-1,2,3-triazole, m. 74°; and 5-benzoyl-4-methyl-2-(4-chlorophenyl)-1,2,3-triazole, m. 106°.
IT 3364-09-8P 3364-10-1P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
RN 3364-09-8 CAPLUS
CN Ketone, 2-(p-chlorophenyl)-5-methyl-2H-1,2,3-triazol-4-yl phenyl (7CI, 8CI) (CA INDEX NAME)



RN 3364-10-1 CAPLUS
CN Methanone, (5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)

10/073,326

L15 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



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 L15 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1965:463145 CAPLUS
 DOCUMENT NUMBER: 63:63145
 ORIGINAL REFERENCE NO.: 63:11574d-f
 TITLE: Vicinal triazoles
 PATENT ASSIGNEE(S): Bodo Hirsch
 SOURCE: 2 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

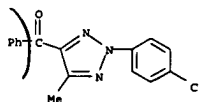
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 36137		19650315	DD	19630411

AB The title compds. were prepared by reaction of substituted glyoxal imine arylhydrazones with metal salts, which serve as oxidation agents and catalysts at the same time. Thus, 2 parts α-phenylazo-β-aminocinnamionitrile was dissolved in 50 parts EtOH and a solution of 2 parts CuCl₂·2H₂O in 10 parts concentrated NH₃ solution added and the reaction mixture boiled 30 min. to give 1.8 parts 2,4-diphenyl-5-cyano-1,2,3-triazole, m. 133-4° (EtOH). Similarly prepared were 5-cyano-4-phenyl-2-(4-bromophenyl)-1,2,3-triazole, m. 140° (EtOH); 5-acetyl-4-methyl-2-phenyl-1,2,3-triazole, m. 54° (EtOH); 5-acetyl-4-methyl-2-p-tolyl-1,2,3-triazole, m. 93°; 5-acetyl-4-methyl-2-(4-bromophenyl)-1,2,3-triazole, m. 109° (MeOH); 5-benzoyl-4-methyl-2-phenyl-1,2,3-triazole, m. 74° (EtOH); 5-benzoyl-4-methyl-2-(4-chlorophenyl)-1,2,3-triazole, m. 106° (EtOH). The new products are intermediates in the synthesis of pharmaceuticals and dyes.

IT 3364-09-8, Ketone, 2-(p-chlorophenyl)-5-methyl-2H-1,2,3-triazol-4-yl phenyl 3364-10-1, Ketone, 5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl phenyl (preparation of)

RN 3364-09-8 CAPLUS

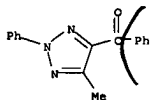
CN Ketone, 2-(p-chlorophenyl)-5-methyl-2H-1,2,3-triazol-4-yl phenyl (7CI, 8CI) (CA INDEX NAME)



RN 3364-10-1 CAPLUS

CN Methanone, (5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)

L15 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



✓
 L15 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1963:435635 CAPLUS
 DOCUMENT NUMBER: 59:35635
 ORIGINAL REFERENCE NO.: 59:6408h, 6409a
 TITLE: Preparation of substituted vicinal triazoles
 AUTHOR(S): Hirsch, Bodo; Cuipe, Julius
 CORPORATE SOURCE: Tech. Univ., Dresden, Germany
 SOURCE: Chimia (Aarau, Switz.) (1963), 17, 159-60
 DOCUMENT TYPE: Journal
 LANGUAGE: German

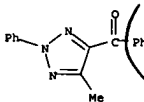
GI For diagram(s), see printed CA issue.

AB Substituted glyoxal anil arylhydrazones are treated in alc. with an NH₃ solution of a Cu⁺⁺ salt to form a Cu complex, which on heating decompose to a triazole in good yield. Thus, 2-phenyl-4-methyl-5-benzoyl-1,2,3-triazole (I) is prepared from BzC(=O)NNHPh)Me: NH.

IT 3364-10-1, Ketone, 5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl phenyl (preparation of)

RN 3364-10-1 CAPLUS

CN Methanone, (5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI) (CA INDEX NAME)



10/073,326

L6 ANSWER 1 OF 3 CAOLD COPYRIGHT 2004 ACS on STN
AN CA63:11574f CAOLD
TI tetrahydrobenzotriazoles
AU Carboni, Rudolph A.
PA Du Pont de Nemours, E. I., & Co.
DT Patent
PATENT NO. KIND DATE

PI US 3197475 1965
IT 1211-08-1 3364-08-7 3364-09-8 3364-10-1
3364-11-2 3364-31-6 3364-32-7 3364-33-8 3365-61-5 3432-71-1
3432-72-2 3682-82-4

L6 ANSWER 2 OF 3 CAOLD COPYRIGHT 2004 ACS on STN
AN CA59:15410f CAOLD
TI heterocyclic diazo compds. - (IV) 3-diazoindoles
AU Patel, H. P.; Tedder, J. M.
IT 30256-68-9 33555-17-8 92437-49-5 92498-46-9 92871-97-1 93014-10-9
93732-56-0 94208-69-2 95490-42-9 95819-38-8 96003-41-7 97999-69-4
98247-13-3 98471-72-8 103799-10-6 105976-09-8 107179-16-8

L6 ANSWER 3 OF 3 CAOLD COPYRIGHT 2004 ACS on STN
AN CA59:6409a CAOLD
TI 1,2,4-oxadiazole - (VIII) amino esters, amino amides, and amino
alkylureas
AU Strani, Guido; Garau, A. M.
IT 3364-10-1 7746-97-6 7788-14-9 34955-74-3 37384-62-6
37937-62-5 90323-71-0 92044-02-5 92110-02-6 92649-96-2 93944-98-0
94091-01-7 95767-64-9 97074-85-6 97406-35-4 97976-56-2 103651-74-7

10/073,326

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L16 1 3364-10-1/RN

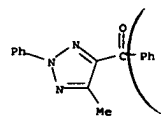
=> s 3364-09-8/rn
L17 1 3364-09-8/RN

=> s 105976-09-8/rn
L18 1 105976-09-8/RN

=> d scan 116

10/073,326

L16 1 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Methanone, (5-methyl-2-phenyl-2H-1,2,3-triazol-4-yl)phenyl- (9CI)
MF C16 H13 N3 O

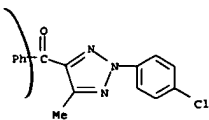


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

10/073,326

L17 1 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Ketone, 2-(p-chlorophenyl)-5-methyl-2H-1,2,3-triazol-4-yl phenyl (7Cl,
8Cl)
MP C16 H12 Cl N3 O



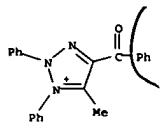
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

10/073,326

L18 1 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 4-Benzoyl-5-methyl-1,2-diphenyl-2H-1,2,3-triazolium perchlorate (7CI)
MF C22 H18 N3 O . Cl O4

CM 1



CM 2



ALL ANSWERS HAVE BEEN SCANNED